Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/13/2018 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123804	-1	1.42	123822	1.43
Blue	F	SSC	125000	123838	-1	1.69	124331	1.68
Blue	E	FITC	15760	15405	-3	2.96	331	22.71
Blue	D	PE	25880	25195	-3	1.95	546	16.81
Blue	B	PerCP-Cy5-5	34075	33777	-1	4.22	1026	22.61
Blue	A	PE-Cy7	22776	22699	-1	7.23	552	44.63
Red	C	APC	42488	41332	-3	2.76	1562	13.38
Red	A	APC-Cy7	24478	24208	-2	2.76	840	12.85
Violet	B	V450	6304	6101	-4	3.95	394	15.64
Violet	A	V500	26005	24993	-4	3.70	596	12.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20280	6.57	607	10	N/A	N/A	Pass
Blue	F	SSC	56817	1.28	574	19	N/A	N/A	Pass
Blue	E	FITC	57	75.94	562	6	0.0155	200	Pass
Blue	D	PE	114	60.40	556	7	0.1425	387	Pass
Blue	B	PerCP-Cy5-5	198	56.78	655	8	0.0077	147	Pass
Blue	A	PE-Cy7	107	111.20	708	11	0.0093	26	Pass
Red	C	APC	375	27.86	602	2	0.0197	128	Pass
Red	A	APC-Cy7	207	28.12	572	1	0.0047	941	Pass
Violet	B	V450	73	58.92	492	3	0.0270	2024	Pass
Violet	A	V500	91	42.80	508	2	0.0150	1196	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/13/2018 10:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-30.89	-30.68	0.95
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.88	13.60 - 20.40	N/A	N/A	30.90	31.07	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9714

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments